

After the claims

N.E. Please insert the following Abstract.

ABSTRACT

Position sensing and control of the displacement of a first member relative to a second member particularly in a vehicular environment is aided by having a ratiometric relationship between the voltage supply for the sensor and the measuring/control portion of the apparatus. In an embodiment, the relative position of a rear view mirror to its housing is controlled. To facilitate the return of a mirror to a preferred position, the conversion of sensor voltage output to a current and the storage of the current of one or more preferred positions allows for the repeatable setting of the rear view mirror. Over and under voltage protection of the sensor supply voltage provides for consistent measurement and control characteristics.